

Title (en)
Biological information measuring apparatus

Title (de)
Vorrichtung zur Messung biologischer Informationen

Title (fr)
Appareil de mesure d'informations biologiques

Publication
EP 2469451 A3 20120912 (EN)

Application
EP 11180624 A 20110908

Previously filed application
2010200535 20100908 JP

Priority
JP 2010200535 A 20100908

Abstract (en)
[origin: US2012057164A1] Biological information measuring apparatus capable of automatically identifying a subject under test, and executing continuous measurement under a common measurement condition having selected a properly identified site at a high S/N ratio for relatively long hours as necessary, and also improving utilization efficiency of the output light of a laser. In the biological information measuring apparatus using a confocal optical system provided with a laser serving as a light source thereof, the biological information measuring apparatus comprises a laser drive means for effecting AC-driving so as to cause pulsed light to be outputted from the laser, and wherein the skin of a finger is discriminated from a nail thereof on the basis of a detection signal of the confocal optical system, and a portion of the skin, in a range of the nail epithelium of the finger to the first joint thereof, is indicated as a measurement region.

IPC 8 full level
G06K 9/00 (2006.01); **A61B 5/00** (2006.01); **A61B 5/117** (2006.01); **A61B 5/1455** (2006.01); **G02B 21/00** (2006.01)

CPC (source: EP US)
A61B 5/0068 (2013.01 - EP US); **A61B 5/14532** (2013.01 - EP US); **A61B 5/1455** (2013.01 - EP US); **A61B 5/489** (2013.01 - EP US); **G01N 21/39** (2013.01 - EP US); **G01N 21/474** (2013.01 - EP US); **G02B 21/0032** (2013.01 - EP US); **G02B 21/008** (2013.01 - EP US); **G01N 2201/0697** (2013.01 - EP US); **G06V 40/1312** (2022.01 - EP US)

Citation (search report)

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- [A] US 2009028396 A1 20090129 - KISHIMA KOICHIRO [JP]
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2012057164 A1 20120308; EP 2469451 A2 20120627; EP 2469451 A3 20120912; JP 2012055454 A 20120322; JP 5445407 B2 20140319

DOCDB simple family (application)
US 201113227909 A 20110908; EP 11180624 A 20110908; JP 2010200535 A 20100908